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  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:00:06 ON 14 JUN 2001

=> file reg

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.15       0.15

FILE 'REGISTRY' ENTERED AT 18:00:12 ON 14 JUN 2001
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STRUCTURE FILE UPDATES:   13 JUN 2001  HIGHEST RN 340959-69-5
DICTIONARY FILE UPDATES:  13 JUN 2001  HIGHEST RN 340959-69-5

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Structure search limits have been increased.  See HELP SLIMIT
for details.

=>
Uploading 09582375.str

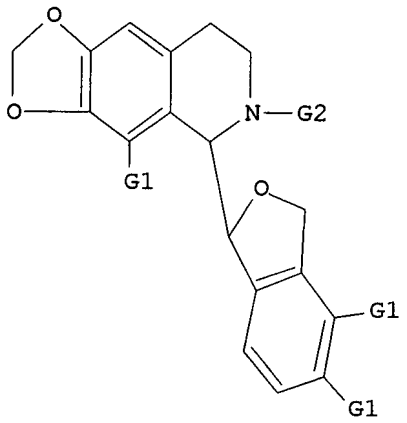
L1      STRUCTURE UPLOADED

=> d l1\

L1 HAS NO ANSWERS
'L1\ ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains
          data.  (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains
          data.
SDA ----- All Structure DAta (image, attributes, connection table and
          map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIM), NOS:end


=> d l1

L1 HAS NO ANSWERS
L1              STR
```



G1 OH,MeO,EtO,n-PrO,i-PrO

G2 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,H

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1

SAMPLE SEARCH INITIATED 18:01:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     13 TO ITERATE

100.0% PROCESSED      13 ITERATIONS                                  9 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           44 TO      476
PROJECTED ANSWERS:               9 TO      360

L2            9 SEA SSS SAM L1

=> e noscapine/cn

E1            1     NOSCAPALIN/CN
E2            1     NOSCAPIN/CN
E3            1 --> NOSCAPINE/CN
E4            1     NOSCAPINE CAMPHORSULFONATE/CN
E5            1     NOSCAPINE HEMIACETAL/CN
E6            1     NOSCAPINE HYDROCHLORIDE/CN
E7            1     NOSCAPINE P-AMINOBENZOATE/CN
E8            1     NOSCAPINE, 3-HYDROXY-2-METHOXYBENZENESULFONATE/CN
E9            1     NOSCAPINE, COMPD. WITH 3-SULFOPROPYL
3.BETA.-HYDROXY-11-OXOO
                    LEAN-12-EN-30-OATE (1:1)/CN
E10           1     NOSCAPINE, SULFATE, TETRAHYDRATE/CN
E11           1     NOSCAPINIC ACID/CN
E12           1     NOSCOMIN/CN

=> s e3

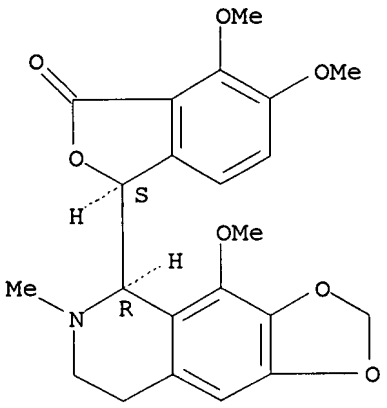
L3            1 NOSCAPINE/CN

=> d l3


L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2001 ACS
RN   128-62-1  REGISTRY
```

CN 1(3H)-Isobenzofuranone, 6,7-dimethoxy-3-[(5R)-5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-yl]-, (3S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1(3H)-Isobenzofuranone, 6,7-dimethoxy-3-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-yl)-, [S-(R*,S*)]-
CN 1,3-Dioxolo[4,5-g]isoquinoline, 1(3H)-isobenzofuranone deriv.
CN Narcotine (7CI, 8CI)
OTHER NAMES:
CN (-)-.alpha.-Narcotine
CN (-)-Narcotine
CN .alpha.-Narcotine
CN Coscopin
CN Coscotabs
CN l-.alpha.-Narcotine
CN L-.alpha.-Noscapine
CN Longactin
CN Longatin
CN Narcompren
CN Narcosine
CN Narcotin
CN Narcotussin
CN Narkotin
CN Nectadon
CN Nicolane
CN Noscapalin
CN Noscapin
CN **Noscapine**
CN O-Methylnarcotoline
CN Opian
CN Opianin
CN Opianine
FS STEREOSEARCH
DR 8055-18-3, 8057-19-0, 567-86-2, 1368-39-4
MF C22 H23 N O7
CI COM
LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSDIRECTORY, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, USAN, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



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             783 REFERENCES IN FILE CA (1967 TO DATE)
              10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             784 REFERENCES IN FILE CAPLUS (1967 TO DATE)
              15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)


=> file ca, uspatfull, toxlit, toxline, medline, cancerlit, biosis

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.23       6.38

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CA INDEXING COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'TOXLIT' ENTERED AT 18:02:16 ON 14 JUN 2001

FILE 'TOXLINE' ENTERED AT 18:02:16 ON 14 JUN 2001

FILE 'MEDLINE' ENTERED AT 18:02:16 ON 14 JUN 2001

FILE 'CANCERLIT' ENTERED AT 18:02:16 ON 14 JUN 2001

FILE 'BIOSIS' ENTERED AT 18:02:16 ON 14 JUN 2001
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=> d his


     (FILE 'HOME' ENTERED AT 18:00:06 ON 14 JUN 2001)

     FILE 'REGISTRY' ENTERED AT 18:00:12 ON 14 JUN 2001
L1               STRUCTURE UPLOADED
L2             9 S L1
                 E NOSCAPINE/CN
L3             1 S E3

     FILE 'CA, USPATFULL, TOXLIT, TOXLINE, MEDLINE, CANCERLIT, BIOSIS'
ENTERED
     AT 18:02:16 ON 14 JUN 2001

=> s l2

L4           18 L2

=> s l3

L5         1718 L3

=> s neoplastic or neoplas####

   6 FILES SEARCHED...
L6     2830444 NEOPLASTIC OR NEOPLAS####

=> dup remove l4

PROCESSING COMPLETED FOR L4
L7            16 DUP REMOVE L4 (2 DUPLICATES REMOVED)

=> d l7 1-16 bib,ab
```

L7 ANSWER 1 OF 16 CA COPYRIGHT 2001 ACS
AN 122:17189 CA
TI Anticold drugs with improved antitussive activity
IN Maki, Susumu; Arai, Iwao; Okudaira, Ichiro
PA Taisho Pharma Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06239763	A2	19940830	JP 1993-29485	19930218

AB Anticold drugs contain ibuprofen, expectorants, and antitussives. Dihydrocodeine hydrochloride showed antitussive activity at ED50 2.2 mg/kg p.o. in concomitant administration with ibuprofen and ambroxol at 100 mg/kg and 10 kg/kg p.o., resp., vs. 4.7 mg/kg, for dihydrocodeine treatment alone. Formulation data are also given.

L7 ANSWER 2 OF 16 CA COPYRIGHT 2001 ACS
AN 121:65616 CA
TI Antitussive expectorants containing eprazinone, methylephedrine, and noscapine
IN Ogushi, Fumiaki; Hotsuta, Naoki
PA Chugai Pharmaceutical Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06087748	A2	19940329	JP 1991-361050	19911218

AB The antitussive expectorants contain eprazinone hydrochloride (I), methylephedrine hydrochloride (II) and noscapine hydrochloride (III) as active ingredients. A preferable ratio of I, II, and III is 1:(0.8-0.9):(0.6-0.7). Antitussive ED50 of I in the combination for treatment of elec. shock-induced cough in guinea pig was 11 mg/kg i.p., vs. 15.5, 34.0, and 18.1 mg/kg i.p. for I, II, and III, resp., in single dosing. A capsule contg. I 30, dL-II 25, III 20, lysozyme chloride 20, low-substituted hydroxypropyl cellulose 20, Mg stearate, and lactose 143 mg was prepd.

L7 ANSWER 3 OF 16 TOXLIT
AN 1995:16733 TOXLIT
DN CA-122-017189D
TI Anticold drugs with improved antitussive activity.
AU Maki S; Arai I; Okudaira I
SO (1994). Jpn. Kokai Tokkyo Koho PATENT NO. 94239763 08/30/94 (Taisho Pharma Co Ltd).
CY Japan
DT Patent
FS CA
LA Japanese
OS CA 122:17189
EM 199502
AB Anticold drugs contain ibuprofen, expectorants, and antitussives. Dihydrocodeine hydrochloride showed antitussive activity at ED50 2.2 mg/kg p.o. in concomitant administration with ibuprofen and ambroxol at 100 mg/kg and 10 kg/kg p.o., resp., vs. 4.7 mg/kg, for dihydrocodeine

treatment alone. Formulation data are also given.

L7 ANSWER 4 OF 16 TOXLIT
AN 1994:91876 TOXLIT
DN CA-121-065616S
TI Antitussive expectorants containing eprazinone, methylephedrine, and noscapine.
AU Ogushi F; Hotsuta N
SO (1994). Jpn. Kokai Tokkyo Koho PATENT NO. 94 87748 03/29/94 (Chugai Pharmaceutical Co Ltd).
CY Japan
DT Patent
FS CA
LA Japanese
OS CA 121:65616
EM 199409
AB The antitussive expectorants contain eprazinone hydrochloride (I), methylephedrine hydrochloride (II) and noscapine hydrochloride (III) as active ingredients. A preferable ratio of I, II, and III is 1:(0.8-0.9):(0.6-0.7). Antitussive ED50 of I in the combination for treatment of elec. shock-induced cough in guinea pig was 11 mg/kg i.p., vs. 15.5, 34.0, and 18.1 mg/kg i.p. for I, II, and III, resp., in single dosing. A capsule contg. I 30, dL-II 25, III 20, lysozyme chloride 20, low-substituted hydroxypropyl cellulose 20, Mg stearate, and lactose 143 mg was prepd.

L7 ANSWER 5 OF 16 CA COPYRIGHT 2001 ACS DUPLICATE 1
AN 115:19104 CA
TI Structure of (-)-narcotine hemiacetal
AU Dokurno, P.; Jaskolski, M.; Kosturkiewicz, Z.; Matecka, D.; Rozwadowska, M. D.
CS Inst. Chem., Univ. Gdansk, Gdansk, 80-952, Pol.
SO Acta Crystallogr., Sect. C: Cryst. Struct. Commun. (1991), C47(5), 1012-14
CODEN: ACSCEE; ISSN: 0108-2701
DT Journal
LA English
AB The title compd. is orthorhombic, space group P212121, with a 12.302(2), b
8.022(1), and c 20.929(3) .ANG.; Z = 4 for dm = 1.29 and dc = 1.34; final R = 0.039 for 1496 reflections. The heterocyclic isoquinoline ring exhibits a half-chair conformation and the 2 5-membered rings exhibit envelope conformations. There is one, rather strong, intramol. OH...N H bond with H...N 1.64 .ANG., which stabilizes the .beta.-anomer formed during the redn. of (-)-.alpha.-narcotine. At. coordinates are given.

L7 ANSWER 6 OF 16 CA COPYRIGHT 2001 ACS
AN 114:143759 CA
TI Synthetic and stereochemical studies on phthalideisoquinoline hemiacetals
AU Rozwadowska, Maria D.; Matecka, Dorota
CS Fac. Chem., Adam Mickiewicz Univ., Poznan, 60-780, Pol.
SO Liebigs Ann. Chem. (1991), (3), 287-9
CODEN: LACHDL; ISSN: 0170-2041
DT Journal
LA English
OS CASREACT 114:143759
AB The two new phthalideisoquinoline hemiacetals rac-egenine nd rac-corytensine are prepd. by stereoselective diisobutylaluminum hydride redn. of rac-bicuculline and rac-adlumidine, resp. The identity of egenine with decumbensine as well as of corytensine with epi-.alpha.-decumbensine and humosine A is postulated. The configuration around the anomeric center in natural (+)-egenine, (+)-corytensine and (-)-narcotine hemiacetal is deduced as (7S), (7'R), and (7'R), resp.

L7 ANSWER 7 OF 16 CA COPYRIGHT 2001 ACS

AN 109:167286 CA
TI (-)-Papaveroxidine, a modified phthalideisoquinoline alkaloid from Papaver pseudo-orientale
AU Sariyar, Gunay; Shamma, Maurice
CS Dep. Chem., Pennsylvania State Univ., University Park, PA, 16802, USA
SO J. Nat. Prod. (1988), 51(4), 802-3
CODEN: JNPRDF; ISSN: 0163-3864
DT Journal
LA English
AB (-)-Papaveroxidine (I) was found as a minor alkaloid in capsules of P. pseudo-orientale. Its structure was elucidated primarily on the basis of mass spectral and NMR data, and by formation of (-)-papaveroxidine Me ester and its redn. to the known (-)-narcotinediol.

L7 ANSWER 8 OF 16 MEDLINE
AN 89046312 MEDLINE
DN 89046312 PubMed ID: 2903602
TI Metoclopramide and ureteric colic.
AU Hedenbro J L; Olsson A M
CS Department of Surgery, University of Lund, Sweden.
SO ACTA CHIRURGICA SCANDINAVICA, (1988 Jul-Aug) 154 (7-8) 439-40.
Journal code: 0KA; 7906530. ISSN: 0001-5482.
CY Sweden
DT (CLINICAL TRIAL)
(CONTROLLED CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198812
ED Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19881216
AB The pain-reducing property of metoclopramide (Primperan) was compared with that of a narcotic combination drug (Spasmofen) in a double-blind study on 40 patients with ureteric colic. The tested drugs had equal pain-reducing capacity and no serious side-effects were noticed. Metoclopramide appears to be an alternative when inhibitors of prostaglandin synthesis or narcotics are contraindicated.

L7 ANSWER 9 OF 16 MEDLINE
AN 88054601 MEDLINE
DN 88054601 PubMed ID: 3315540
TI NSAIDS for renal and biliary colic: intramuscular diclofenac.
AU Anonymous
SO DRUG AND THERAPEUTICS BULLETIN, (1987 Nov 2) 25 (22) 85-6. Ref: 6
Journal code: EBV; 0112037. ISSN: 0012-6543.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 198801
ED Entered STN: 19900305
Last Updated on STN: 19900305
Entered Medline: 19880119

L7 ANSWER 10 OF 16 CA COPYRIGHT 2001 ACS
AN 106:135220 CA
TI Six alkaloids from Papaver species
AU Sariyar, Gunay; Shamma, Maurice
CS Fac. Pharm., Univ. Istanbul, Istanbul, Turk.

SO Phytochemistry (1986), 25(10), 2403-6
CODEN: PYTCAS; ISSN: 0031-9422
DT Journal
LA English
AB P. fugax Contained the new alkaloids (-)-narcotinehemiacetal and (-)-papaveroxine (I). New alkaloids from P. pseudo-orientale were (-)-narcotinediol, (+)-macrantaldehyde, (-)-papaveroxinoline, (-)-narcotolinol, and (-)-narcotinehemiacetal.

L7 ANSWER 11 OF 16 TOXLINE DUPLICATE 2
AN 1982:41652 TOXLINE
DN TOXBIB-82-194298
TI Prostaglandin-synthetase inhibition with diclofenac sodium in treatment of renal colic: comparison with use of a narcotic analgesic.
AU Lundstam S O; Leissner K H; Wahlander L A; Kral J G
SO LANCET, (1982). Vol. 1, No. 8281, pp. 1096-7.
Journal code: L0S. ISSN: 0140-6736.
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
FS TOXBIB
LA English
OS MEDLINE 82194298
EM 198209

L7 ANSWER 12 OF 16 CA COPYRIGHT 2001 ACS
AN 96:143124 CA
TI New transformation products of .alpha.-narcotine and .beta.-hydrastine
AU Schmidhammer, H.
CS Inst. Org. Pharm. Chem., Univ. Innsbruck, Innsbruck, Austria
SO Sci. Pharm. (1981), 49(3), 304-10
CODEN: SCPHA4; ISSN: 0036-8709
DT Journal
LA German
AB .alpha.-Narcotine (I, R = MeO) and .beta.-hydrastine (I, R = H) were reduced by Na(MeOCH2CH2O)2AlH2 to the alcs II, which were converted to the nitriles III. I (R = MeO) was treated with HC(OEt)3 followed by oxidn. with m-ClC6H4C(O)OOH to give the isobenzofuran IV.

L7 ANSWER 13 OF 16 MEDLINE
AN 83099444 MEDLINE
DN 83099444 PubMed ID: 6817718
TI [Determination of oxyphenonium bromide in pharmaceutical preparations by using ion-selective electrode].
Oznaczanie bromku oksyfenoniowego w preparatach farmaceutycznych z zastosowaniem elektrody jonoselektywnej.
AU Smajkiewicz A; Przyborowski L
SO ANNALES UNIVERSITATIS MARIAE CURIE-SKLODOWSKA. SECTIO D, MEDICINA, (1980) 35 243-9.
Journal code: 69M; 0414101. ISSN: 0066-2240.
CY Poland
DT Journal; Article; (JOURNAL ARTICLE)
LA Polish
FS Priority Journals
EM 198302
ED Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19830214

L7 ANSWER 14 OF 16 CA COPYRIGHT 2001 ACS
AN 71:6523 CA
TI Noscapine p-aminobenzoate
IN Coisy, Jean M.

PA Boyer et Cie.
SO Fr. M., 2 pp.
CODEN: FMXXAJ
DT Patent
LA French
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 5956		19680617	FR	19661108

AB The title salt is prepd. by the reaction of noscapine with p-aminobenzoic acid in anhyd. solvents. It m. 144-5.degree., is insol. in water, and slightly sol. in EtOH and Et2O. It is used as an antitussive, is not toxic and has no depressive activity on the nervous system. Results of pharmacol. tests and therapeutic formulation are given.

L7 ANSWER 15 OF 16 CA COPYRIGHT 2001 ACS
AN 69:67243 CA
TI Noscapine p-aminobenzoate
PA Boyer et Cie
SO Fr., 1 p.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 1491431		19670811	FR	19660628

AB A soln. is prepd. from 135 g. noscapine base, 45 g. p-H2NC6H4CO2H, and a mixt. of 220 ml. EtOH and 220 ml. CHCl3, heated to 60.degree., cooled to 35-40.degree., and treated with ligroine to give the title salt (I), m 144-5.degree..

L7 ANSWER 16 OF 16 TOXLIT
AN 1966:9608 TOXLIT
DN CA-004-003374T
TI ACTION OF A DERIVATIVE OF BENZOYL-L-ISOQUINOLINE ON THE VASCULAR EFFECT OF
HISTAMINE IN THE RAT.
AU LECOMTE J
CS UNIV. LIEGE, BELG.
SO C. R. SEANCES SOC. BIOL. SES FIL, (1966). Vol. 160, No. 1, pp. 208-10.
CODEN: CRSBAW.
FS CA
LA Unavailable
EM 196612
AB FIVE INTRAVENOUS INJECTIONS OF [**5966-25-6**] 1-3-AMINO-4,5,6-TRIETHOXYPHTHALIDYL-2-METHYL-6,7-METHYLENEDIOXY-8-METHOXY-1,2,3,4-TETRAHYDROISOQUINOLINE L.554 DURING 5 DAYS TOTAL DOSE OF 5 MG./100
G. INTRAPERITONEAL INJECTION OF 10, 20, OR 50 MG. L.554 PER 100 G. OR ADMINISTRATION BY GASTRIC TUBE OF 100 MG., EITHER AS ONE DOSE OR DURING 5 DAYS, DID NOT MODIFY THE DECREASE IN ARTERIAL PRESSURE PRODUCED IN RATS BY
[51-45-6] HISTAMINE 0.5-2 GAMMA/100 G.. L.554 THEREFORE DOES NOT SHOW ANTIHISTAMINIC ACTIVITY. L.554 WAS ALSO UNABLE TO MODIFY THE CARDIOVASCULAR COLLAPSE AND DEATH PRODUCED BY THE RELEASE OF ENDOGENOUS HISTAMINE BY 1935L, A [109-73-9] BUTYLAMINE SUBSTITUTE. SINCE L.554 IS NOT ITSELF TOXIC, THE RESERVES OF ENDOGENOUS HISTAMINE WHICH ARE AFFECTED BY 1935L ARE NOT REDUCED BY L.554 . L.554 THEREFORE DOES NOT INHIBIT HISTIDINE DECARBOXYLASE TO SUCH AN EXTENT THAT RELEASABLE RESERVES OF TISSUE HISTAMINE ARE DISTURBED.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	34.28	40.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.04	-5.04

STN INTERNATIONAL LOGOFF AT 18:05:21 ON 14 JUN 2001